

QUA·RAE

HERE IS NEWS OF....THE RADIO ASSOCIATION OF ERIE, INC.

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Dec. 1973

Editor: Bud Hopkins
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Bob Smith K3WTZ
Jim Fritzreiter K3QHO
Brownie K3QAY
Alice Bomboy WA3USH's XYI
Jackson's W3WZ, W3LJF
Leo Weiner, W3LOS
Hank Schnieder W3KPJ

ERIE'S FINEST AMATEUR RADIO NEWSBULLETIN BY FAR !

RADIO ASS'N OF ERIE, INC.
P.O. Box 844
ERIE, PA. 16512

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ERIE, PA.
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THIRD CLASS

CHUCK BLILEY, K3NAU
965 ARLINGTON ROAD
ERIE, PA. 16509

The Radio Ass'n. of Erie, Inc. Serving area "Hams" for over 27 years.

EAR-AUG

"SPECIAL ANNOUNCEMENT"

The Repeater Committee has initiated a fund drive to raise funds to upgrade the recently improved WR3ACA repeater. These funds will be used to build a more efficient, higher reliability, completely solid state, single site repeater. The duplexer for single site has been ordered and plans are in progress to be in operation with this equipment this winter. The duplexer will also allow a local input to be installed allowing improved city receiving capabilities meanwhile giving the repeater its present fantastic out of town coverage and Southern coverage via its new 1700' above sea level antenna site.

Pledges are being accepted now by contacting any of the Repeater Committee members and letting them know your intentions. The pledge is for \$15.00 payable to K3ATZ, Chuck Lewis the committee treasurer or myself before January 15, 1973. All contributors will be recorded on a permanent plaque at the repeater site. Please do not miss this chance to participate in this recent endeavor.

Those pledges received to date are:

Bob Smith K3WTZ
Ed Buetikofer WA3UET
Chuck Bliley K3NAU
Bud Hopkins WA3TRJ
Ron Kosciuch WA3UDH
Bart GEER W3SN
Wendell Good K3ZGG
Dick Conley W3NFM
Laughlin Forbes W3STK
Jack Thompson SWL
Doc Stancliff K3AXS

Thank you men for your generosity. It indeed will be used for a very rewarding project for everyone's use.

Bob Smith K3WTZ

Repeater Committee minutes Nov. 8, 1973

Meeting was called to order at 20:00 by K3WTZ

Minutes were read and approved.

Treasurer report - balance of \$218.10

K3WTZ reported that WA3USH donated a lock for the fuse box at the RCVR site so that no one will be able to put the repeater off the air by just removing the fuse.

K3WTZ submitted a bill for \$5.03 for outside receptacle at RCVR.

WA3UET moved we pay \$5.03 for outside receptacle at RCVR. Motion carried.

K3WTZ reported on the fund drive for the duplexer - \$172 has been pledged or received so far.

K3WTZ reported that a tentative order has been placed with Phelps Dodge for the duplexer and accepted by them for delivery on Jan 1, 1974.

K3QAY reported that a letter has been sent to the FCC notifying them that the RCVR site (WA3KXD) has been moved to a new site. Also a notice has been posted at both the RCVR and XMTR sites saying that trespassing is a federal offense and the name, address and phone of the station trustee.

K3WTZ reported that as a result of the QUA-RAE advertisement he has a check for \$300 for the tower with the stipulation that the club take the tower down.
K3NAU moved we accept the \$300 for the tower. Motion carried.

WA3IRJ said that he had been given batteries that could be used for emergency power for the repeater.

K3WTZ said that a 1 watt GE transistorized transmitter has been donated to the repeater committee.

K3QAY moved that we purchase the duplexer and continue the fund drive to get a single site solid state repeater with emergency power. Motion carried.

K3QAY moved we purchase Phelps Dodge duplexer for \$378 plus shipping. motion carried.

K3WTZ reported that Dycomm has an 80 watt amplifier kit for \$49.95 and VHF engineering has a 15 watt amplifier for \$29.95.

K3NAU moved we purchase Dycomm Kit Model D80 80 watt amplifier for the repeater for \$49.95 motion carried.

Minutes continued

K3NAU volunteered to build the amplifier.

K3ATZ reported on RCVR coverage. Several weak spots exist around town. Discussion of using the 11 element beam for enhancing coverage followed.

K3YAK from Meadville suggested that we plan a Northwestern Pa. hamfest for the second or third week of October 1975.

Meeting adjourned 22.23

Respectfully submitted

K3QHO

Jim Fritzreiter

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PREZ SEZ

This will be the last Prez Sez that I will write since my term in office ends on December 6th. It has been an active two years for me as well as for the club. Nearly all ~~EVENTS~~ sponsored by the club have been successful and profitable except for our last picnic and a lack of participation on Field Days. I have been unable to attend Field Days because of Vacation conflicts but many others who could have helped and had an enjoyable time chose to stay at home.

The club will only continue to grow and be successful if every member gets behind the next group of appointed officers and supports them with time and talent. I hope that the future officers continue to operate this club as the Corporation it is and keep it on a profitable basis aimed at satisfying the desires of the membership.

At the present time the club has only two major projects which hold it together. These are the QUA-RAE and the Repeater committee. These two groups have done more for the club over the past few years than anything else that can be thought of. I feel it is a shame that

the metropolitan VHF Societ, which operates the 6M Tri-State Net, and the fellows on the low bands haven't anything to show for their efforts in some time. Other clubs have 6M Repeater and much more successful Field Days as a result of total participation. You may say you haven't time, or talent, or interest in these things, but have you considered that everyone has some knowledge or ability which could make the club better if we would work together and not leave the job for the other fellow.

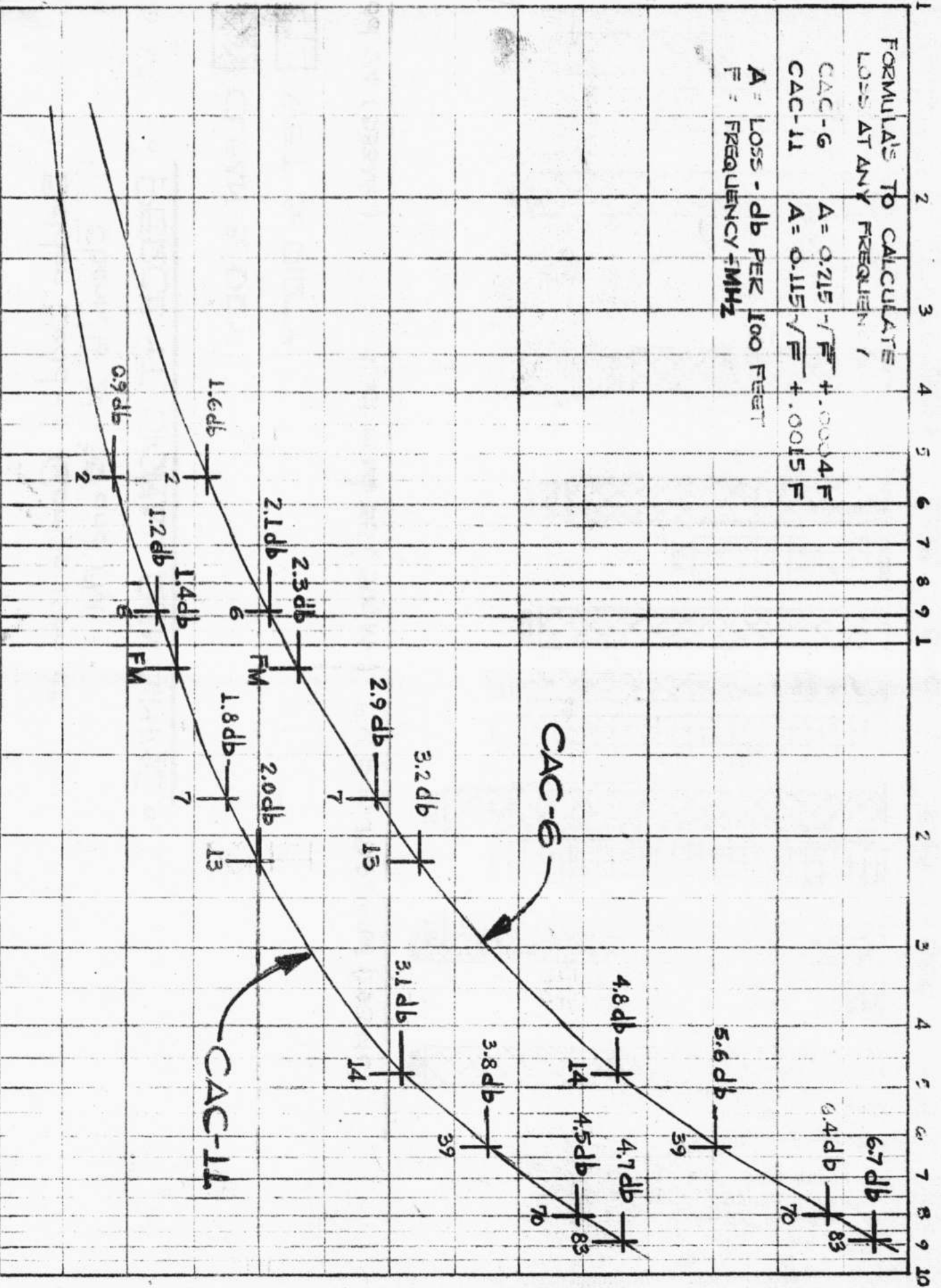
We could have excellent Hamfests, and picnics, and Field Days, or anything else the membership wishes if the members are willing to work for it. I have enjoyed my two years as president of the RAE. It has been a challenge to me to improve the club and develop more active participation. I hope I have challenged the members to make this a better club. I will now automatically be on the board of Directors for one year and I will continue to do all I can to improve the club and accomplish whatever goals the membership should decide upon. However, keep it in mind that your officers and directors need your participation and they cannot do the job for you or without you.

"73" Brownie K3QAY

FORMULAS TO CALCULATE LOSS AT ANY FREQUENCY /

CAC-6 $A = 0.215 \sqrt{F} + .0004 F$
CAC-11 $A = 0.115 \sqrt{F} + .0015 F$

A = LOSS - db PER 100 FEET
F = FREQUENCY - MHz



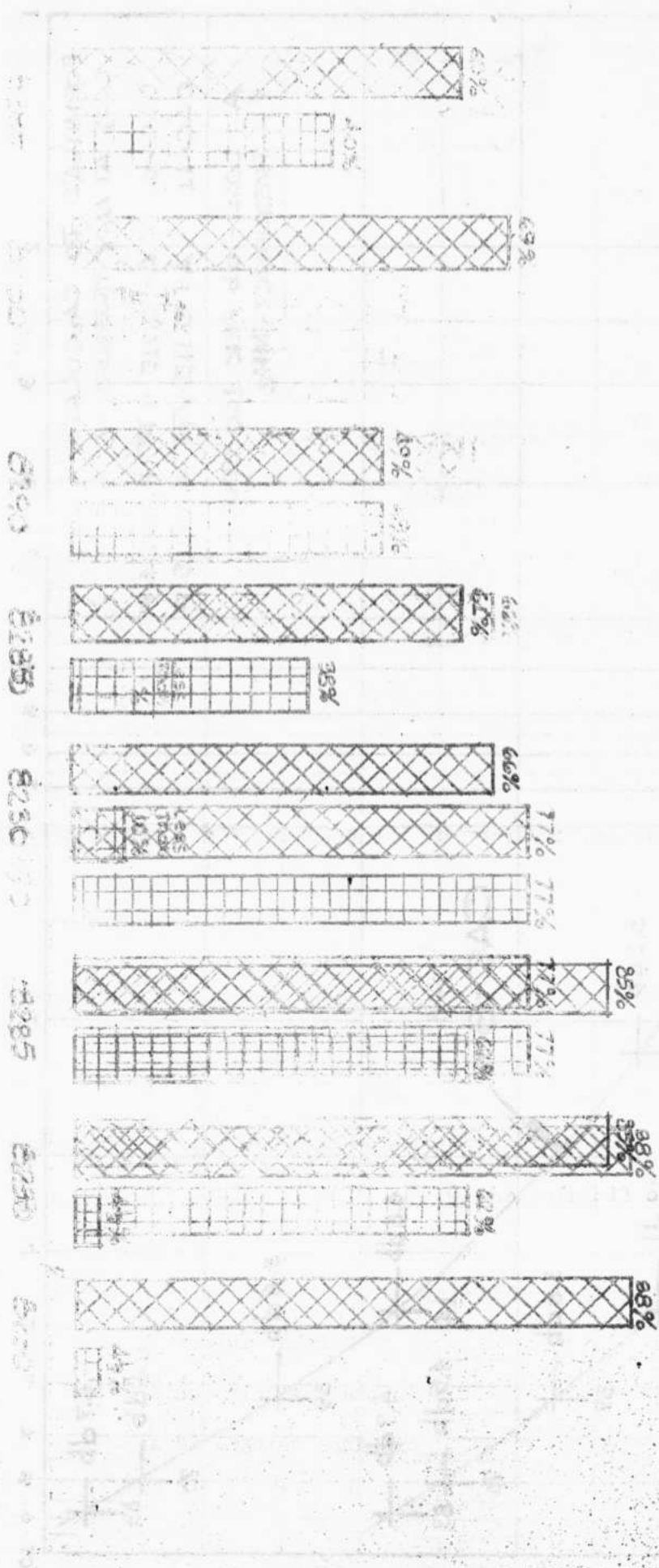
The Belden Lead-in Comparison at
Channels 24 - 35 and FM

PERCENT SIGNAL REMAINING

CLEAN & DRY

WET & DIRTY

3d 24 (533Mc) Channel 35 (599Mc) FM Band FM Band (98 Mc)



NOTICE

The annual meeting to elect two members to the Board of Directors will be held on Thursday December 6, 1973 at 8 PM in the basement of the Red Cross Building at 150 West 6th Street, Erie, Pa/

Excerpts from the
By Laws Radio Association of Erie, Inc.

Article VII - Meetings

- A.3. An annual meeting shall be held on the first Thursday in December for the purpose of election of Directors. All full members shall be notified by a separate mailing at least five days prior to the meeting.

Article I - Membership Classes

- B. Full member - a full member is one who is a licensed radio amateur and is eligible to hold office, appointed or elected, as provided under Article II. A full member also has full voting privileges and all other privileges granted Associate Members.

Article II - Board of Seven Directors

- A (1) Eligibility - Only a full member, who is also a paid up member of the American Radio Relay League (ARRL) is eligible to hold the office of Director, providing he has served at least one full term as a past business officer (President, Vice President, Secretary or Treasurer), attended at least four business meeting within the current calendar year.

Article V - Election of Directors

- B. Nominations for Directors shall be submitted in writing to the Election Committee no more than thirty days prior to the annual election meeting. All nomination petitions submitted shall be signed by at least five full members.

REPRINT RAE

OFFICIAL NOTICE

1973 R.A.E. MEMBERSHIP APPLICATION

NAME _____ CALL SIGN _____
ADDRESS _____ PHONE _____ AREA _____
CITY _____ STATE _____ ZIP CODE _____

A.R.R.L. MEMBER: YES _____ NO _____

ENCLOSE REMITTANCE OF \$3.00 FOR 1973 AND SEND TO:

THE RADIO ASSN. of ERIE • P.O. BOX 844 • ERIE, PA. 16512 •
ATTENTION: MEMBERSHIP CHAIRMAN

AMATEUR RADIO STATIONS W3WZ AND W3LJF LINK ERIE WITH SISTER CITY, MERIDA, MEXICO

Amateur short-wave radio station W3WZ, operated by Cass Jackson, and W3LJF, operated by Josi Jackson, a husband-wife "Ham" team, located at 119 East 31st Street, Erie, have been selected to act as the official radio communication facility between Erie and our sister city, Merida, Yucatan, Mexico. Their station, completely equipped with a TR-4 transceiver, Drake 2 kilowatt linear amplifier and a mosley triband classic antenna, transmits a potent, dependable signal to Merida. For anyone interested in eavesdropping or brushing up on your spanish, the schedules are set for alternate saturday on 20 Meters, single side band; the frequency is 14.225 KHz; the time is 2,000 Greenwich mean time or 4:00 PM eastern daylight savings time; and the station in Yucatan is XE3AF, Ravey Ramirez, conversing on microphone during the initial "OSO" in Erie were Rev. Jan C. Olowin, Director of "Mission of Friendship," William DeCrease, chairman of the program, and Fred Nash, Director of MOCA John and Susispielman, corrdinators of the acculturation program, responded from Ravey's "ham shack" in Mexico. John Spielman had talked with professor Wilbert Chi Gongora, Mayor of Merida, and reports that professor Gongora is looking forward with great enthusiasm to holding a conversation with our mayor Lou Tullio (honorary chairman of sister city program) via short wave radio and is making arrangements to host a visit by his honor to Merida. He will also prepare further programs of visits and contacts between civic leaders, church officials, educators, industrialists and college students.

Analogous to amateur radio, this exciting exchange program focuses toward building a better climate for world understanding. Its objective is to further international interaction with a city in another country at all levels of the community on a continuing long- term basis, within this program citizens of Merida exchange things, ideas and people

CONT

Husband Wife ham team can't

in a wide variety of cultural, educational, municipal, professional and technical projects with the citizens of Erie. It is living evidence that person and institutions from two diverse cultures have much to gain from sharing beliefs, feelings and talents. The Jacksons are particularly pleased to participate in this socio-economic acculturation as it gives them an opportunity to demonstrate how a ham station can provide a community with utilitarian civic services, just as readily as a ham operator provides local, state, national or international humanitarian services in time of emergencies such as floods, fire Earthquakes and rescues of marooned persons, incidentally, Josi, who is Judge Lindley R. McClelland's secretary, very appropriately uses "Let's Join Forces!" as the mnemonic for her W3LJF call.

There is still another licensed operator in the Jackson family their son, Chuck, whose call is K3BTQ. He uses the wireless at times to talk back home from Nashville, Tennessee, where he is a medical doctor at Vanderbilt University Hospital. Undoubtedly, their Daughter, Sue, will knowingly seek out a ham with phone patch facilities to contact Erie from an exotic spot in the world, as she has just earned a degree in anthropology and is anticipating pursuing her profession in some distant land.

"73" W3WZ & W3LJF

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SPECIAL NOTE

During the past month your editor received this comment from one of the hams who wrote an article about the low bands this month.

"Hey, Bud-Baby! Who says that the lower frequencies are dead?"

A special thanks to those who have shown the QUA-RAE that the lower frequencies really are not dead.

THANKS

WPA CW TRAFFIC NET ACTIVITY OF OCTOBER 1973

31 sessions 323 messages 397 QNI

WA3SWF	31	W3RUL	16	W3MJ	6	W3NEM	2	Nos.	
W3LOS	28	K3ZNP	16	WA3MDY	5	WA3QQR	2	Sun.	K3CB
W2KAT/3	27	K3CB	13	K3SJN	5	WA3PWL/O	1	Alt.	W3MJ
W3KUN	27	K3HCT	13	W3UT/3	4	W3EML	1	Mon	W3LOS
K3VQV	24	WA3TMR	12	WA3VHO	4	W3OEO	1	Tues	WA3SWF
K3CR	21	W3LOD	11	W3ATQ	2	WA3PXA	1	Weds.	K3EXE
W3IDO	19	WA3RWO	8	W3ELZ	2	WA3ROZ	1	Thurs	W3KUN
WA3TTS	19	W3SN	8	K3EXE	2	W3YA	1	Fri	W3NEM
W2DSS	18	W3KNK	7	WB2GBR	2	Others	11	Sat.	W2KAT/3
WA3LDA	16	W3SIJ	7	W9MUC	2				
								3RN Reps:	
								WA3SWF	31
								W2KAT/3	11
								WA3TTS	8
								K3CB	7
								W3KUN	3
								W3LOS	1
								W3UT	1

THINGS ARE SURE HUMMING on WPA; just look at the above figures. And November started off with a bang, with 64 messages handled in two days. Here's hoping November will be a record-breaking month.

Congratulation to Phil WA3SWF, who had a perfect QNI score for the second consecutive month. Phil also represented us at 3RN 31 times in October. Nice going, OM, and many thanks.

We have some more birthday celebrants this month: Chas W3DSS will be 81 years young on November 20 and is considering taking flying lessons; Jim WA3PXA will turn 18 on November 23; Steve WA3TMR will also be 18, on December 6; and Hal W3IDO tacks on another year on December 9. Happy birthday to all of you and wishes for many more to come.

JIM W2KAT/3 HAS ASKED ME to pass along the word that he will accept messages for delivery to places designated "YA" in the QSP Directory. This extended coverage includes all of the following counties: Bedford, Blair, Centre, Clinton, Franklin, Fulton, Huntingdon and Mifflin. Please make a note to this effect in your copy of the QSP Directory.

MATT WA2QNT, Traffic Manager, sends us the operating schedule for K3CR, the club station at Penn State University at University Park: Sunday, Doug WA3JIH; Monday and Wednesday, Dave WA3VJZ; Tuesday and Thursday, Matt WA3QNT; and Friday Ed WA3QIG. K3CR has originated a great deal of traffic lately, to help keep WPA humming. Keep it coming, fellas.

GUESS THAT'S IT for this time. Thanks to all of you great guys for your contribution to WPA.

"73" Leo, W3LOS

ARRL BULLETINS

Nr. 447 October 1

The ARRL executive committee met Saturday to examine nominating petitions filed by members for league directors and vice directors. By reason of but one eligible candidate the following were declared elected, the Canadian division director Noel B. Eaton VE3CJ, Dakota division director Larry J. Shima W/PAN, Delta division director Max Arnold W4WJH, Great Lakes division director, Richard A. Egbert W8ETU, Midwest division director Paul Grauer W/FIR and Southeastern division director Larry E. Price W4DQD. Also declared elected was Canadian Vice director a George Spencer VE2MS. Wherever the committee found valid petitions naming more than a single candidate for these offices and the candidates meeting the requirements as to league membership and freedom from any commercial radio connections ballots were ordered mailed to full members concerned covering contested offices. Such offices by division are:

Atlantic for Director,
Atlantic for Vice Director

Dakota for Vice Director
Delta for Vice Director
Great Lakes for Vice Director
Midwest for Vice Director
Pacific for Director
Pacific for Vice Director
Southeastern for Vice Director.

Hippisley K2KIR, McConaghy W3SW
Bieberman W3KT, Lamb W3BWZ
Smith WA2KND, Van Dyke W3HK
Gray WA/CPX, Kulas WA/IAW
Coffey W5NCB, Sanders WB4ANX
Clausen W8IMI, Zimmerman W4JG
Miller WA/KUH, Pitner W/FZO
Gmelin W6ZRJ, Wical KH6BZF
Gaetano W6VZT, Stilwell W6NJU
Gauzens W4WYR, Roux KH1RA
Wayne WB4CBP

As soon as ballot returns have been counted in late November, results of all these elections will be given in a further bulletin from this station.

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DOOR PRIZE DONORS
"HAMQUET #3

Ham Radio Magazine, CQ Magazine
73 Magazine, ARRL, Callbook, Inc.
R.L. Drake Co. Dorothy Mamross

Nr. 448 October 11

October 15 marks the first anniversary of the launch of Oscar 6, the world's first long-life amateur satellite. According to Amsat, the Radio Amateur Satellite Corporation, over 1500 different stations in all states and at least 70 countries have communicated through Oscar 6. Three operators have contacted all states using the satellite. With the success of Oscar 6, amateur satellites have become a continuing feature of the widening world of amateur radio communication. ARRL congratulates Amsat on this important anniversary and affirms its continued support of the amateur satellite program. Nr. 449 Oct. 18

Denmark has opened up radio operating to visiting amateurs. Canada recognized reciprocity with Denmark effective September 10. The formal U.S.-Denmark agreement for reciprocal operating will become effective November 10, 1973. ARRL headquarters can furnish details to amateurs planning to visit Denmark.

Nr. 450 October 25

November presents an excellent opportunity for every amateur to improve his frequency measuring skills by taking part in an ARRL Frequency Measuring Test. W1AW will transmit signals for measurement on November 10 at 0230 and 0530 GMT. This will be the evening of November 9 at 2130 EST on approximately 3527 7078 and 14,079 KHz. A second series of test signals will be transmitted three hours later on about 3563 7083 and 14,072 KHz. Full details on how to participate appear on page 110 of October QST.

"73" Hank Schnieder

COMPLAINT DEPARTMENT

Any complaints about last month's paper should be addressed to addressograph Multilith Corporation, 23 West 18th St. Our supplies were promised but not delivered

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MAIN PRIZE WINNERS OF THE 73 HAMQUET

1st \$200.00 Robert Anderson
sold by W3SN

2nd Drake TR-22 Leo Weiner, W3LOS

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Reward- VIA Florida Skip who got it from SPARC-GAP

A regard is offered for information leading to the capture of EDDY CURRENT charged with the induction of an 18 year old COIL named Milli AMP pound hal CHO-KED and robbed of valuable JOULES. The unrectified criminal, armed with a CARBON ROD escaped from a primary cell where he had been kept IONS. The escape was planned in three PHASES. First he refused the ELECTROLYTES, then he climbed through a GRID, despite the IMPEDANCE of the wardens, and finally went to Earth in a MAGNETIC FIELD. He has been missing since FARADAY. It was thought that he escaped on a MEGACYCLE, but the chances are that he will windup in a MEGA-HIRST.

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FUTURE HAMFEST

A possible get together of all North Western Pennsylvania amateur radio clubs have a super hamfest. The year 1975. All the Clubs in North Western Pa. to participate. Sounds like a great idea, Mike. (K3YAK). We will pass it along.

Editor WA3TRJ

Repeater Comm. Duplexer fund drive is in full swing and all contribution will be gratefully accepted. Contact Chuck K3ATZ

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CQ,CQ,CQ Two Meter FM

The editor of the QUA-RAE would like to remind all members of the repeater committee that the election is Dec. 13, 1973 We urge all members to attend.

Editor WA3TRJ

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THE AVERAGE HAM

If you're an adult of average weight, here is what you accomplish in 24 hours Your heart beats 103,689 times - your blood travels 168,000,000 miles - you breathe 23,140 times - you inhale 438 cubic feet of air - you eat 3 1/2 pounds of food - you drink 2.9 quarts of liquid you lose 7/8th pound of waste - you speak 4,800 word (some unnecessary ones) you move 750 muscles 0 you nails grow .000046 inch - your hair grows .01714 inch - you exercise 7,000,000 brain cell All if this activity can be stopped - never to start again, in the time you take to beat the RED light.

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Many Thanks.

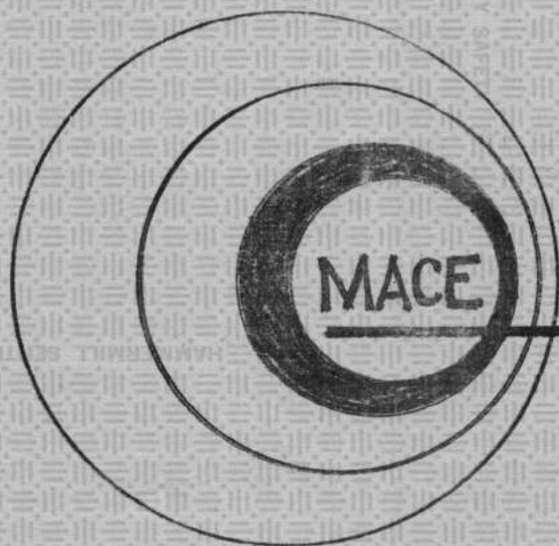
Thanks again to those people who have helped to show us that the lower bands are not dead.

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- SANSUI
- DUAL
- TEAC
- SONY
- BSR
- JBL
- AR
- FISHER

* * * * *

OPEN: 10 to 9 - Monday thru Friday
10 to 5:30 on Saturday



YOUR DEPARTMENT STORE
of.....
ELECTRONICS

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- AND LIBERTY PLAZA - ERIE, PA. •
- MEADVILLE MALL •